

DERWENT-ACC-NO: **1988-294960**

DERWENT-WEEK: 198842

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TITLE: Apparatus for use in relieving neck and/or back pain -  
has patient support and rope-pulley traction assembly for  
neck

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PRIORITY-DATA: 1987GB-0009024 (April 15, 1987) , 1988GB-0008407 (April 11,  
1988) , 1989US-0350330 (May 8, 1989)

**PATENT FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<b>GB 2203348 A</b>	October 19, 1988	N/A	012	N/A
GB 2203348 B	May 8, 1991	N/A	000	N/A
US 5024214 A	June 18, 1991	N/A	000	N/A

**APPLICATION-DATA:**

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
GB 2203348 A	N/A	1988GB-0008407	April 11, 1988
US 5024214 A	N/A	1989US-0350330	May 8, 1989

INT-CL (IPC): A61F005/00, A61H001/02

ABSTRACTED-PUB-NO: GB 2203348A

**BASIC-ABSTRACT:**

The appts. for use in relieving neck and/or back pain in the person, comprises a movable support (10) for the upper torso to rest on in use. A harness is co-operable in use with the person.

There can be a stationary support on which in use the lower torso (buttocks) and legs of the person are support. A rope and pulley (22, 24) is used to apply a force to the harness.

ADVANTAGE - Simple construction and ease of use. 1+2/4

ABSTRACTED-PUB-NO: GB 2203348B

**EQUIVALENT-ABSTRACTS:**

Apparatus for use in relieving neck and/or back pain in the person, comprising a movable support member on which the upper torso rests in use, and a stationary support member on which the lower torso (buttocks) rests in use, a harness arranged to couple in use with the upper torso or head of the person and also secured to the movable support member, the apparatus further comprising a pulley to be mounted by way of a stationary abutment, and means for applying a force to the harness which force acts in use in a direction to urge the body and movable support member in one and the same direction away from the stationary support member, which force applying means comprises at least one actuating line to which the force is applied by the person through the arms thereof in an opposite direction and which acts through said pulley to apply said force to the body and the movable support member.

US 5024214A

The apparatus for use in relieving neck and/or back pain in a person, has the application of force to the spine controlled by the person and is self limiting. It has a movable support on which the upper torso of the person rests and a stationary support for the lower torso. A harness cooperable with the person especially the head, and with the movable support is subject to a force by way of an actuating line acting through pulleys to give spinal traction in the lower lumbar region and in the cervical region. ADVANTAGE - Ease of use.

(4pp)

TITLE-TERMS: APPARATUS RELIEVE NECK BACK PAIN PATIENT SUPPORT ROPE  
PULLEY

TRACTION ASSEMBLE NECK

DERWENT-CLASS: P32 P33

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1988-223857